

S. P. Rebe

6

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/576,858

DATE: 07/05/2001

TIME: 13:44:02

Input Set : N:\Crif3\RULE60\09576858.txt

Output Set: N:\CRF3\07052001\I576858.raw

SEQUENCE LISTING

ENTERED

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Snyder, Richard O.

7 Cohen, Lawrence K.

8 Kay, Mark A.

9 Danos, Olivier

10 Thompson, Arthur R.

12 (ii) TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL VECTOR-MEDIATED

13 DELIVERY OF DNA TO CELLS OF THE LIVER

15 (iii) NUMBER OF SEQUENCES: 8

17 (iv) CORRESPONDENCE ADDRESS:

18 (A) ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS

19 (B) STREET: 2100 Pennsylvania Avenue, N.W.

20 (C) CITY: Washington

21 (D) STATE: D.C.

22 (E) COUNTRY: USA

23 (F) ZIP: 20037

25 (v) COMPUTER READABLE FORM:

26 (A) MEDIUM TYPE: Floppy disk

27 (B) COMPUTER: IBM PC compatible

28 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

29 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

31 (vi) CURRENT APPLICATION DATA:

C--> 32 (A) APPLICATION NUMBER: US/09/576,858

C--> 33 (B) FILING DATE: 22-May-2000

34 (C) CLASSIFICATION:

36 (vii) PRIOR APPLICATION DATA:

37 (A) APPLICATION NUMBER: 08/882,044

38 (B) FILING DATE:

40 (viii) ATTORNEY/AGENT INFORMATION:

41 (A) NAME: Nakamura, Dean H.

42 (B) REGISTRATION NUMBER: 33,981

43 (C) REFERENCE/DOCKET NUMBER: A-6964

45 (ix) TELECOMMUNICATION INFORMATION:

46 (A) TELEPHONE: (202)293-7060

47 (B) TELEFAX: (202)293-7860

50 (2) INFORMATION FOR SEQ ID NO: 1:

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 20 base pairs

54 (B) TYPE: nucleic acid

55 (C) STRANDEDNESS: single

56 (D) TOPOLOGY: linear

58 (ii) MOLECULE TYPE: other nucleic acid

59 (A) DESCRIPTION: /desc = "primer"

64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

66 ACTCCATCAC TAGGGSTTCC

68 (2) INFORMATION FOR SEQ ID NO: 2:

20

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70      (i) SEQUENCE CHARACTERISTICS:
71          (A) LENGTH: 30 base pairs
72          (B) TYPE: nucleic acid
73          (C) STRANDEDNESS: single
74          (D) TOPOLOGY: linear
76      (ii) MOLECULE TYPE: other nucleic acid
77          (A) DESCRIPTION: /desc = "primer"
82      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
84 GGTAATGATT AACCCGCCAT GCTACTTATC
86 (2) INFORMATION FOR SEQ ID NO: 3:
88      (i) SEQUENCE CHARACTERISTICS:
89          (A) LENGTH: 22 base pairs
90          (B) TYPE: nucleic acid
91          (C) STRANDEDNESS: single
92          (D) TOPOLOGY: linear
94      (ii) MOLECULE TYPE: other nucleic acid
95          (A) DESCRIPTION: /desc = "primer"
100     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
102 TCAGAATCTG GCGGCAACTC CC
104 (2) INFORMATION FOR SEQ ID NO: 4:
106     (i) SEQUENCE CHARACTERISTICS:
107         (A) LENGTH: 20 base pairs
108         (B) TYPE: nucleic acid
109         (C) STRANDEDNESS: single
110         (D) TOPOLOGY: linear
112     (ii) MOLECULE TYPE: other nucleic acid
113         (A) DESCRIPTION: /desc = "primer"
118     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
120 TCGTCAAAAA GCGGTATCAG
122 (2) INFORMATION FOR SEQ ID NO: 5:
124     (i) SEQUENCE CHARACTERISTICS:
125         (A) LENGTH: 20 base pairs
126         (B) TYPE: nucleic acid
127         (C) STRANDEDNESS: single
128         (D) TOPOLOGY: linear
130     (ii) MOLECULE TYPE: other nucleic acid
131         (A) DESCRIPTION: /desc = "primer"
136     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
138 TCCCTTGTCG AGTCCGTTGA
140 (2) INFORMATION FOR SEQ ID NO: 6:
142     (i) SEQUENCE CHARACTERISTICS:
143         (A) LENGTH: 20 base pairs
144         (B) TYPE: nucleic acid
145         (C) STRANDEDNESS: single
146         (D) TOPOLOGY: linear
148     (ii) MOLECULE TYPE: other nucleic acid
149         (A) DESCRIPTION: /desc = "primer"
154     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
156 CAGAAGGAAA ACAGCAAACG

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158 (2) INFORMATION FOR SEQ ID NO: 7:

160 (i) SEQUENCE CHARACTERISTICS:

161 (A) LENGTH: 84 base pairs

162 (B) TYPE: nucleic acid

163 (C) STRANDEDNESS: single

164 (D) TOPOLOGY: linear

166 (ii) MOLECULE TYPE: DNA (genomic)

171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

173 AGAGGGAGTG GCCAACTCCA TCACTAGGGG TTCCTGGAGG GGTGGAGTCG TGACGTGAAT 60

175 TACGTCATAG CATTAGGGAG GTCC 84

177 (2) INFORMATION FOR SEQ ID NO: 8:

179 (i) SEQUENCE CHARACTERISTICS:

180 (A) LENGTH: 88 base pairs

181 (B) TYPE: nucleic acid

182 (C) STRANDEDNESS: single

183 (D) TOPOLOGY: linear

185 (ii) MOLECULE TYPE: other nucleic acid

186 (A) DESCRIPTION: /desc = "recombinant"

191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

193 AGAGGGAGTG GCCAACTCCA TCACTAGGGG TTCCTTGTAG TTAATGATTA ACCCGCCATG 60

195 CTACTTATCT ACGTAGCCAT GCTCTAGA 88

VERIFICATION SUMMARY

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L:32 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:33 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]